

To: Donna N Myers [dnmyers@usgs.gov]
Cc: []
Bcc: []
From: CN=Ayn Schmit/OU=R8/O=USEPA/C=US
Sent: Wed 12/12/2012 4:57:40 PM
Subject: Re: ACTION NEEDED, PLEASE READ. Pavillion API presentation, what's new and next steps
<http://doodle.com/3c36wrrrm2irmgre>
dozman@usgs.gov

Donna, could you share your list of questions? I am working on Q&A from our end. I think USGS needs to be prepared for specific questions related to what was said (and I believe recorded) in Riverton- maybe we could chat about that. I'll share our expanded list of Qs as well.

Ayn E. Schmit
 Water Policy Advisor

(PH) 303-312-6220 (FAX) 303-312-7150
 EPA Region 8
 1595 Wynkoop Street
 Denver, Colorado 80202-1129
schmit.ayn@epa.gov

From: Donna N Myers <dnmyers@usgs.gov>
To: David N Mott <dmott@usgs.gov>, David Ozman <dozman@usgs.gov>, David S Mueller <dsmueller@usgs.gov>, Franceska Wilde <fwilde@usgs.gov>, Peter B McMahon <pmmcMahon@usgs.gov>
Cc: dnmyers@gsvares01.er.usgs.gov, William H Werkheiser <whwerkhe@usgs.gov>, Kathleen S Orsi <korsi@usgs.gov>, John S Zogorski <jszogors@usgs.gov>, Frank D'Erchia <fderchia@usgs.gov>, Jose Zambrana/DC/USEPA/US@EPA, Ayn Schmit/R8/USEPA/US@EPA, David W Reppert <dreppert@usgs.gov>
Date: 12/12/2012 09:13 AM
Subject: ACTION NEEDED, PLEASE READ. Pavillion API presentation, what's new and next steps

Everyone, I am sending this email to keep you in the loop and to ask for your help and attention.

The decision was made yesterday afternoon to hold about a 1-hr meeting with the API on Thursday, December 20, 2012, time TBD. At API's request, the USGS and EPA are providing a joint meeting/briefing on Pavillion groundwater studies. The USGS and EPA are working together to plan the meeting. The proposed meeting location will be at the Main Interior Bldg in Washington, D.C. There will be a phone bridge. Details to follow as they are determined.

A couple of things need to happen quickly. I request that you arrange your schedules as much as possible to help complete the following set of three major activities this week and early next week. Each has a conference call associated with it, either on Thursday or Friday at 2 pm ET (Noon MT and 1 pm CT) or next Monday, Dec. 17. I will set up Webinars in Webex for these and send an invite to EPA. Details to follow.

1. The USGS presentation needs to be finalized so that Bill Werkheiser can read it, understand it, storyboard it, and present it next week. Additions will be made to the content with programmatic information about USGS. Some content will be deleted (background information) that is redundant with what EPA will

present. The EPA will present their PPT first, followed by USGS.

I will locate and provide a few appropriate programmatic slides and review them with Bill. These will be the first slides.

As for the technical material, authors, please make sure that all the presentation materials on the slides or in the talking points are as close to verbatim as possible or directly excerpted from the foundational published reports. This includes the two new recent USGS WY WSC reports and other reports such as the Phase IV or V reports from EPA or previously published USGS reports, as appropriate.

A semi-final draft of the USGS presentation is needed by tomorrow morning 10 am ET for distribution to EPA prior to the call. We want to hold a conference call with EPA possibly as early as tomorrow afternoon Thursday, at 2 pm ET.

I am working from the Doodle poll on availability and 2 pm tomorrow looks pretty good for a call.

2. Provide answers to the anticipated questions from API and discuss and exchange this information with EPA. This will have to wait until next week for a conference call.

If anyone has additional unique questions to offer, please send them to me today.

See my list of a core set of 21 questions with proposed primary authors and co-authors (see attached file) of the answers. Some questions are applicable to OWQ, some to the NWQL, some to the field crew, and some to the report authors. We all can be the reviewers of each other's answers. I will work with the Acting Chief of NWQL to answer questions beyond what has been already provided.

Dave Ozman could help us by reading over the answers when they are near final to make sure paired questions and answers are appropriate and clearly stated. I do not anticipate these being distributed at the meeting.

Keep answers as short as possible. Rely on published report and other reference material as much as possible although field and lab notes may also be relied upon.

Avoid introducing new questions within the answers. We only have an hour for the whole meeting.

3. EPA will send us their revised PPT by COB tomorrow for our Friday call at 2 pm. My sense from yesterday is that it will be simplified.

If needed, there may be a call(s) next week to finish up this week's conference calls with EPA. I will send another Doodle poll to everyone (EPA and USGS) later today.

Thanks in advance. - Donna

Donna N. Myers
U.S. Geological Survey
Chief, Office of Water Quality
National Center, MS 412
12201 Sunrise Valley Drive
Reston, VA 20192
Ph. (703) 648-5012
Cell (571) 643-3020
Fax (703) 648-6693
Email dnmyers@usgs.gov

Everyone, Call-in number for tomorrow's call is in subject line of this email in case you didn't see it on the original invitation.

Donna N. Myers
U.S. Geological Survey
Chief, Office of Water Quality
National Center, MS 412
12201 Sunrise Valley Drive
Reston, VA 20192
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Email dnmyers@usgs.gov

Jose, A conference call invitation was sent to USGS and EPA technical staff to continue our discussion of the EPA and USGS presentations.

That next call is tomorrow at 10-11 am Eastern Time (8-9 am MT and 9-10 am CT). You and others in EPA and USGS should have received an invitation last Friday from Katie Orsi, Bill's assistant. Please let me know if you can/can not make the call by responding to Katie's invitation (it was in an email from William Werkheiser).

Shown below is a link to a Doodle poll to schedule additional dates and times this week for follow-up conversations - - should they be needed.

You have initiated a poll "USGS and EPA Joint Conference Call on PowerPoint presentation" at Doodle. The link to your poll is:

<http://doodle.com/3c36wrrrm2irmqre>

Share this link with all those who should cast their votes. Do not forget to cast your vote, too.

Slides (1, 8, 9, 10, 14, 15) in the EPA presentation are those that we (USGS) would want to further discuss for their technical content. The discussion would provide USGS with a better understanding of the content and provide USGS with the opportunity to verify the USGS data used in the slides, in a factual manner. In doing so, USGS seeks to reach some degree of common understanding prior to the meeting with API. The degree to which we can reach that understanding is dependent on the timing of the API meeting and the degree to which we pursue the finer details.

EPA slide set

Slide #1, what are the analytes shown on the graph? The sources of variability are different between the MW01 and MW02 results, consider separate graphs for MW01 and MW02, consider adding units to the x and y axes, what is meant by "97% within the range of method variability?" how was this estimated? What about the remaining 3%, what were these analytes?

Slide #8, can we determine if we have synchronized times for our sampling and purging? I think EPA has a continuous record of field indicators and USGS has discrete observations. There may be differences in start times, etc.

Slide #9, we would like to discuss the method of computing the purge volumes and % fresh formation water, same as we did previously for figure 13.

Slide #10 we would like to talk about time series and stability of indicators

Slide #14, need to validate the numbers of common chemicals and unique measures. We would like to verify your results against our own. Is this slide based on the most contemporaneous samples between USGS and EPA?

Slide #15 This is the summary slide. USGS did not interpret the data. This needs to be made clear on this graph and in the presentation in general.

As agreed, the authors of the USGS slide presentation will provide responses to the comments received previously from Ayn Schmidt and Dave Jewett and provide a revised presentation. I am not sure that the presentation will be ready tomorrow as I have not asked the USGS authors if they are ready with a revision.

Appended are comments from Dave Ozman that we discussed last Friday. I thought it would be helpful for you to see our suggested narrative changes in writing.

I will serve in Bill Werkheiser's place tomorrow as he has a conflicting appointment.

Feel free to contact me if you have questions, via email or phone. I am around all week but if I am away from my desk, you can call my cell phone.

Cheers,

- Donna

Donna N. Myers
U.S. Geological Survey
Chief, Office of Water Quality
National Center, MS 412
12201 Sunrise Valley Drive
Reston, VA 20192
Ph. (703) 648-5012
Cell (571) 643-3020
Fax (703) 648-6693
Email dnmyers@usgs.gov

From: David Ozman/DO/USGS/DOI

To: William H Werkheiser/DO/USGS/DOI@USGS, Donna N Myers/WRD/USGS/DOI@USGS, David N Mott/WRD/USGS/DOI@USGS, David K Mueller/DO/USGS/DOI@USGS, John S Zogorski/WRD/USGS/DOI@USGS

Date: 12/06/2012 09:19 PM

Subject: Recommended Changes to EPA Powerpoint on Pavillion

Hello all,

Based on our discussions today, here are the recommended changes to the EPA Powerpoint on Pavillion. I talked with David Mott after our call and he assisted with the wording changes. Others may have some technical/scientific changes to offer during our call with the EPA folks.

Cover Page

- * Change sub-headline to read: "Summary of EPA Approach and Results."
USGS efforts are discussed in our separate presentation.

Page 1

- * Change first bullet to read: "USGS included EPA and others on Technical Team to collaboratively develop the USGS Sampling and Analysis Plan."

Page 5

- * Change first sub-bullet under fifth bullet to read: "Sampling of MW01 in conjunction with USGS sampling."

Page 7

- * Change first bullet to read: "USGS and State of Wyoming entered into a cooperative agreement to sample EPA deep monitoring wells (MW01) and (MW02)."

- * Change second bullet to read: "USGS included EPA and others on Technical Team to collaboratively develop the USGS Sampling and Analysis Plan."

- * Change USGS section under third bullet to read: "USGS (National Water Quality Office [NWQO], WY WSC, Central Water Science Field Team, CO WSC,

and Rocky Mountain Regional Executive Office).

Page 8

* Change first bullet to read: "Pavillion Technical Team agreed to sampling after purging 1 borehole volume (BHV) and reaching stable indicators based on well hydraulic data from Phases III and IV."

* The State of Wyoming requested, and the Technical Team agreed to add a second sample after purging 3 BHV and reaching stable field indicators

Page 11

* Change fifth bullet to read: "EPA collected and sent replicate samples from MW02 to USGS contract laboratory for analysis."

Page 13

* Change last line on page to read: "EPA collected a replicate set of samples and sent them to USGS contract laboratory."

Page 16

* Change third line from bottom of page to read: "USGS contract laboratory used USEPA method 8015B with higher quantification limit."

Dave Ozman
Chief of Communications, Central States
U.S. Geological Survey
phone: (303) 202-4744
fax: (303) 202-4742
e-mail: dozman@usgs.gov
